LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

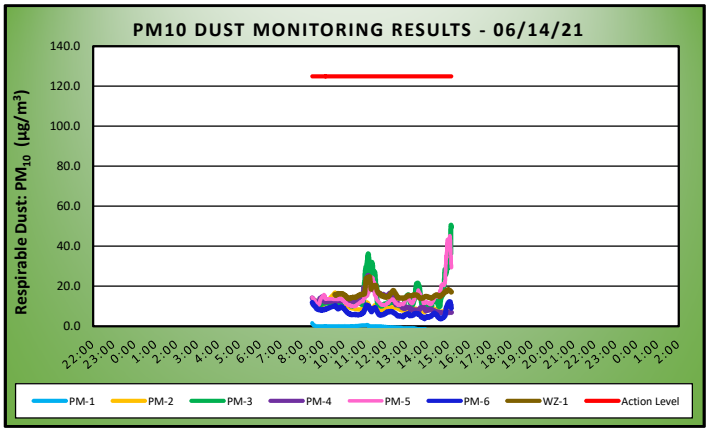
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

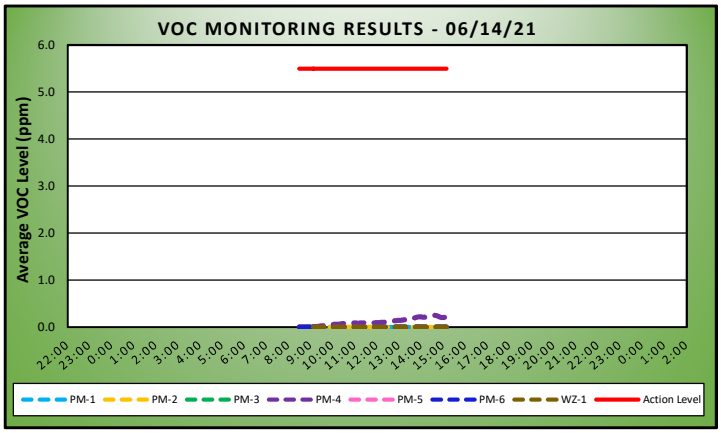
06/14/21		
Project number: 170381202		
Page 1 of 2	Rev. No. 0	
Submitted By:		
Dust Background & Action Level (µg/m^3)	25	125
VOC Background & Action Level (ppm)	0.5	5.5
Hg Background & Action Level (µg/m^3)	0.0	1.0

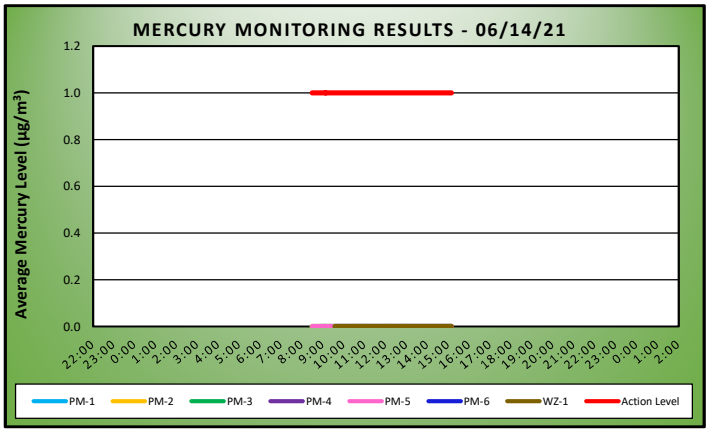
Weather Data Range for Work Day		Wind Direction	SW	Relative Humidity (%)	62.9 - 85.1	Daily Rain (in)	0.04	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	65.4 - 73.9	Wind Speed (MPH)	0.7 - 6.9	Barometer (inHg)	29.88 - 29.96			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Minute Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Minute VOC Concentration (ppm)	Time of Max 15 Minute Avg VOC Reading
PM-1	0.0	1.6	8:29	0.0	0.0	13:40
PM-2	9.8	16.9	9:34	0.0	0.0	15:07
PM-3	14.7	50.5	15:07	0.2	0.0	8:49
PM-4	12.2	25.5	11:10	0.1	0.2	14:35
PM-5	15.0	45.2	15:04	0.0	0.0	8:29
PM-6	7.3	12.3	15:03	0.0	0.0	8:29
WZ-1	16.4	24.8	11:13	0.1	0.0	9:07

Station Location Work Area	Daily Avg. Mercury Concentration (µg/m^3)	Max 15 Minute Mercury Concentration (µg/m^3)	Time of Max 15 Minute Avg Mercury Reading
PM-1	0.0	0.0	8:29
PM-2	0.0	0.0	8:29
PM-3	0.0	0.0	8:50
PM-4	0.0	0.0	9:34
PM-5	0.0	0.0	8:30
PM-6	0.0	0.0	11:09
WZ-1	0.0	0.0	9:34





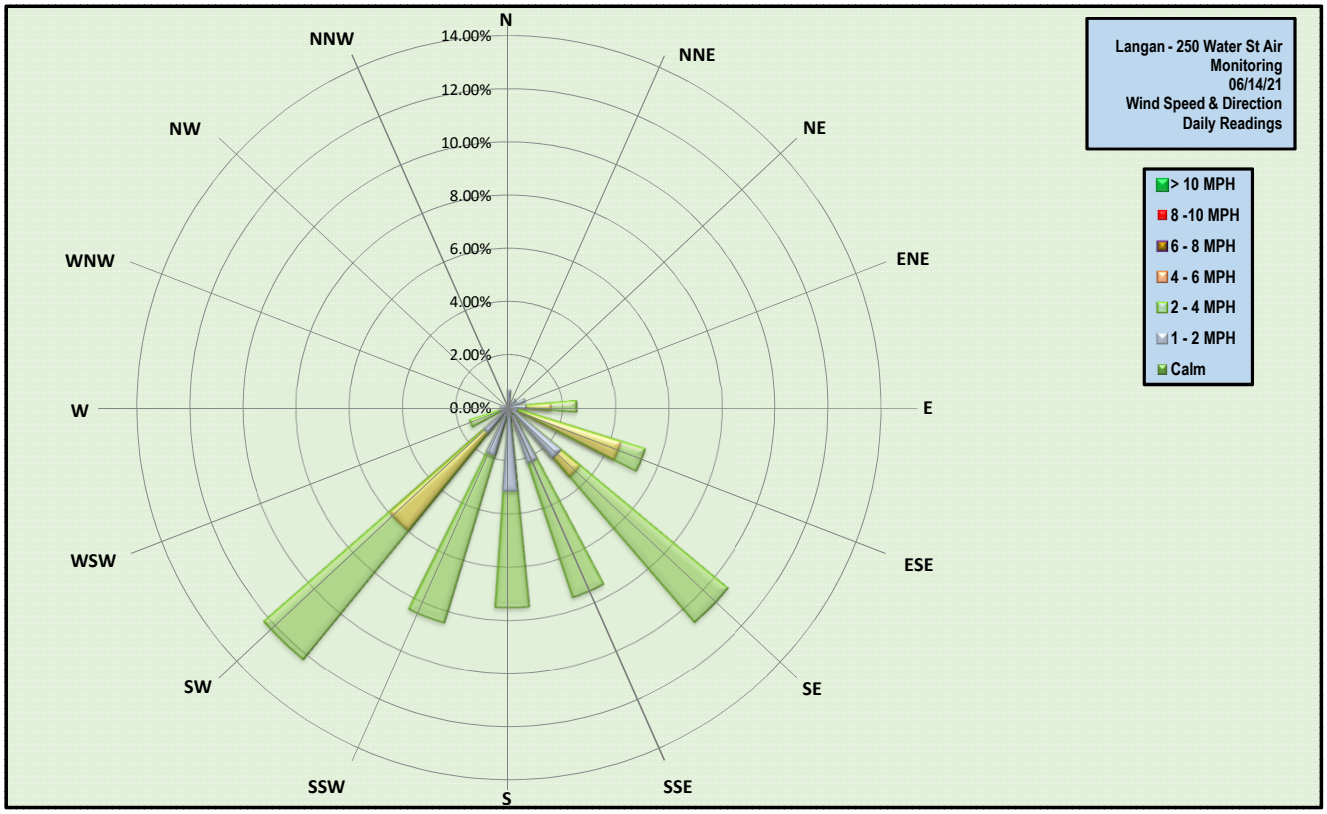


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 250 Water St Air Monitoring
06/14/21
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
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12.00%
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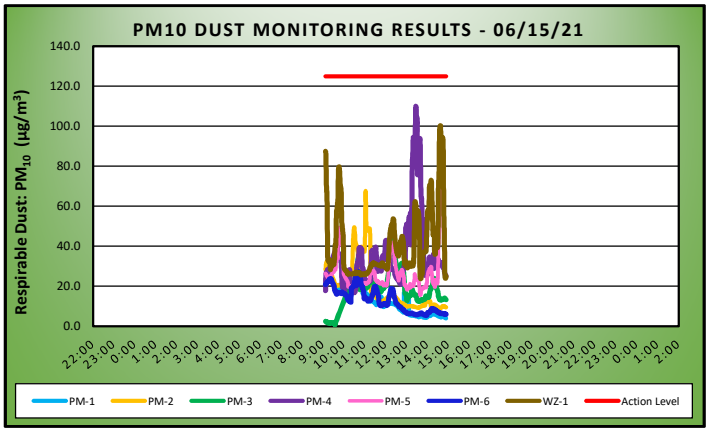
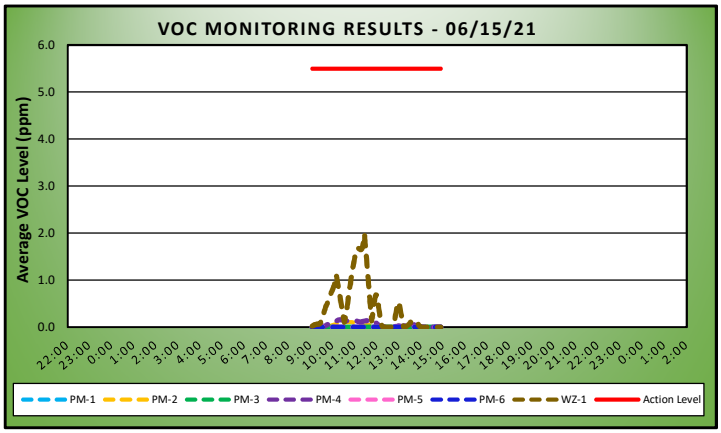
VOC Background & Action Level (ppm)	0.5	5.5
Hg Background & Action Level (µg/m^3)	0.0	1.0

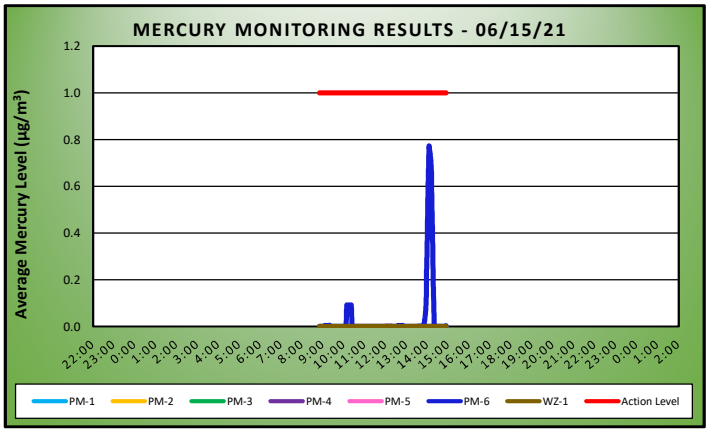
Weather Data Range for Work Day		Wind Direction	NNE, NE	Relative Humidity (%)	36.9 - 70.2	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	70.3 - 80.9	Wind Speed (MPH)	0.8 - 6.2	Barometer (inHg)	29.79 - 29.83			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Minute Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Minute VOC Concentration (ppm)	Time of Max 15 Minute Avg VOC Reading
PM-1	13.4	35.5	10:47	0.0	0.0	9:05
PM-2	18.7	67.5	11:02	0.0	0.1	10:30
PM-3	17.7	43.8	12:22	0.0	0.0	11:16
PM-4	34.8	109.9	13:26	0.1	0.2	10:19
PM-5	26.6	68.4	14:36	0.0	0.0	9:27
PM-6	12.9	27.3	10:43	0.0	0.0	9:04
WZ-1	42.3	100.3	14:37	0.4	1.9	11:26

Station Location Work Area	Daily Avg. Mercury Concentration (µg/m^3)	Max 15 Minute Mercury Concentration (µg/m^3)	Time of Max 15 Minute Avg Mercury Reading
PM-1	0.0	0.0	8:50
PM-2	0.0	0.0	8:50
PM-3	0.0	0.0	8:50
PM-4	0.0	0.0	12:01
PM-5	0.0	0.0	8:50
PM-6	0.0	0.8	14:04
WZ-1	0.0	0.0	12:45







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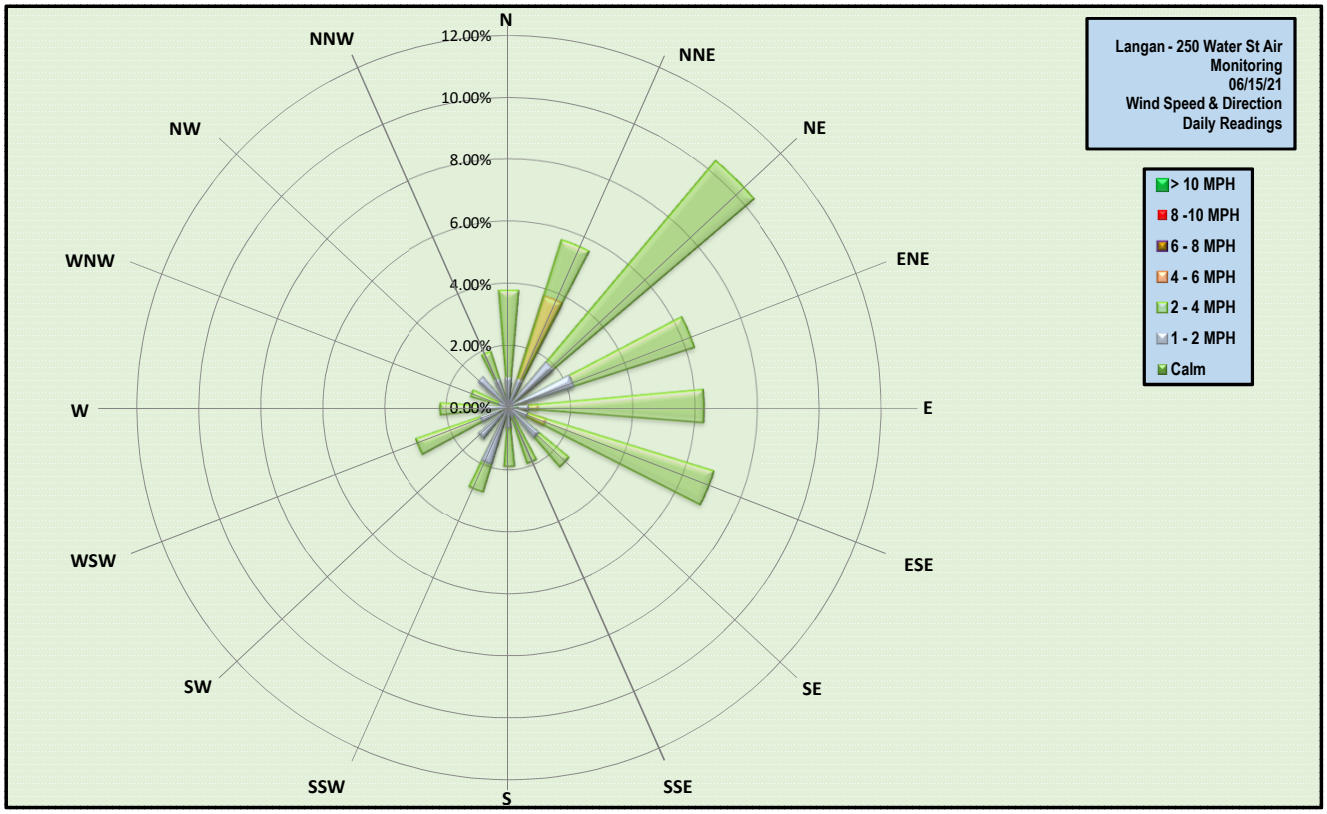
Langan - 250 Water St Air Monitoring
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Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
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PM-3	14.7	50.5	15:07	0.2	0.0	8:49
PM-4	12.2	25.5	11:10	0.1	0.2	14:35
PM-5	15.0	45.2	15:04	0.0	0.0	8:29
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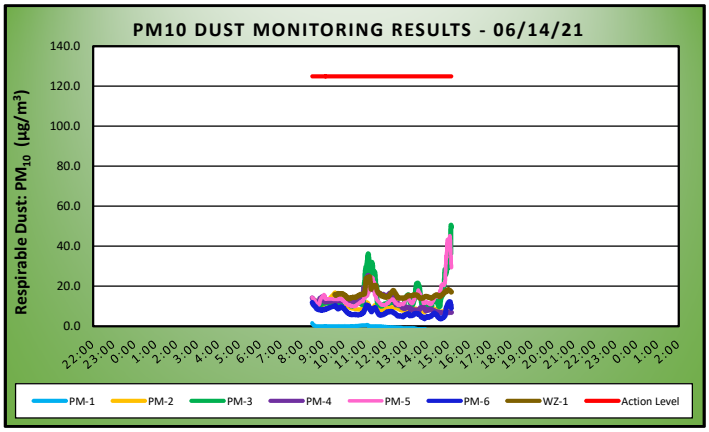
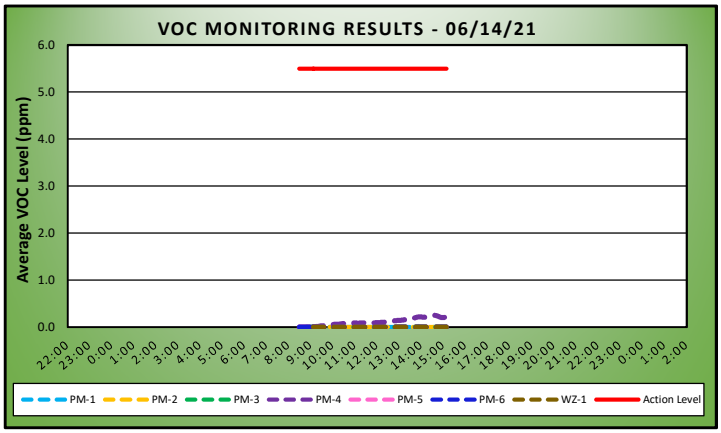
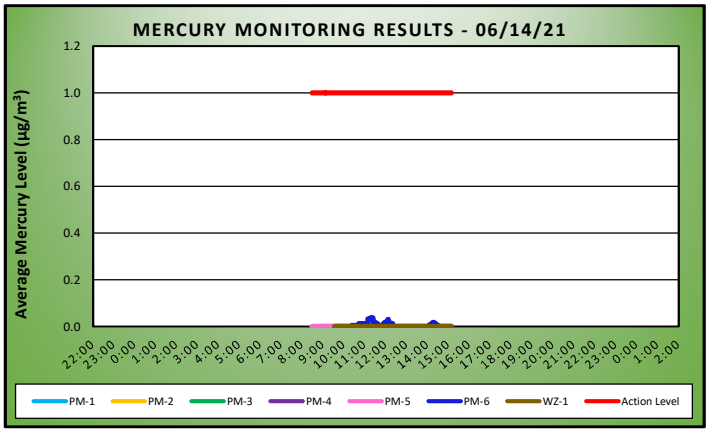
PM-2	0.0	0.0	8:29
PM-3	0.0	0.0	8:50
PM-4	0.0	0.0	9:34
PM-5	0.0	0.0	8:30
PM-6	0.0	0.0	11:17
WZ-1	0.0	0.0	9:34







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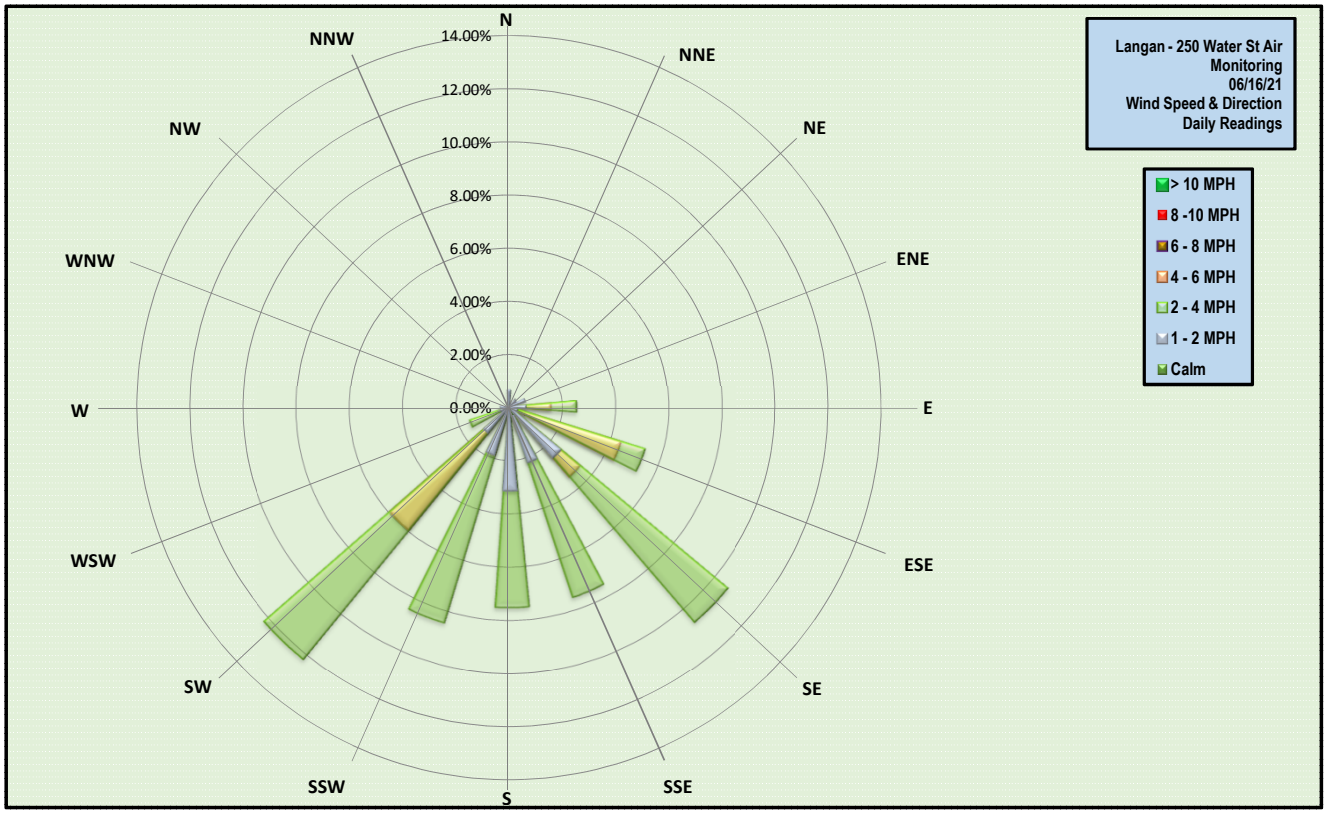
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